

10/523290

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52221(B)_Application_Seq_Listing.ST25.txt
SEQUENCE LISTING

<110> Johnson, Scott C.
Cavato, Tracey A.
Coombe, Timothy R.

<120> CORN EVENT PV-ZMIR13 (MON863) PLANTS AND COMPOSITIONS AND METHODS FOR
DETECTION THEREOF

<130> 38-21 (52221)B

<150> 60/399,279

<151> 2002-07-29

<150> PCT/US03/22860

<151> 2003-07-23

<160> 21

<170> PatentIn version 3.1

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<223> 5' junction sequence

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<223> 3' junction sequence

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tgctctccga accaagctag atagtctcct atcactaggc tcaccaacca acctggactt	420
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agttcccata tgacataagc gctcttgg	508

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<223> 3' insert+genome sequence

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gctcattcag gttggagcca atttggttga tgtgtgtgcg agttcttgcg agtctgatga	180
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<210> 5

<211> 242

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<212> DNA

<213> corn

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<221> DNA

<222> (1)..(242)

<223> 5' corn genome sequence

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tcctatcact aggtcacca accaacctgg actttgattc tttcttatta ttctaaccgg      180
gatataaaaa ccataaggat tgtttccagc caagagttcc catatgacat aagcgctctt      240
gg                                          242
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<210> 6

<211> 224

<212> DNA

<213> corn

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<221> DNA

<222> (1)..(224)

<223> 3' corn genome sequence

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ccccctatag ccaaagcaag cgatagcaaa tagtgatttt atggagtaag cttcgctccg      180
cgccaattag aaaaaagtga aaagactcta tgctctgctc atat                          224
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<210> 7

<211> 266

<212> DNA

<213> Artificial Sequence

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<223> 5' insert sequence

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<222> (1)..(266)

<223> 5' insert sequence

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tggggggtcca tctttgggac cactgtcggc agaggcatct tgaatgatag cctttccttt      180
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<210> 8

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<223> 3' insert sequence

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<222> (1)..(360)

<223> 3' insert sequence

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gtcatttcag gttggagcca atttggttga tgtgtgtgcg agttcttgcg agtctgatga      180
gacatctctg tatttgtgtt ctttccccag tgttttctgt acttgtgtaa tcgggctaata      240

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52221(B)_Application_Seq_Listing.ST25.txt

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 aaaaggaatt agatctgtgt gtgttttttg gatccccggg gcggccgcgg ggaattcggg 360

<210> 9

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> 5' 5' primer

<220>

<221> DNA

<222> (1)..(22)

<223> 5' flanking sequence 5' primer

<400> 9

gtcttgcgaa ggatagtggg at

22

<210> 10

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> 5' 3' primer

<220>

<221> DNA

<222> (1)..(22)

<223> 5' flanking sequence 3' primer

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22

<210> 11

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<211> 23

<212> DNA

<213> Artificial Sequence

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<223> 3' 5' primer

<220>

<221> DNA

<222> (1)..(23)

<223> 3' flanking sequence 5' primer

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23

<210> 12

<211> 22

<212> DNA

<213> Artificial Sequence

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<223> 3' 3' primer

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<221> DNA

<222> (1)..(22)

<223> 3' flanking sequence 3' primer

<400> 12
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22

<210> 13

<211> 27

<212> DNA

<213> Artificial Sequence

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<223> 5' genome walker primer 1

<220>

<221> DNA

<222> (1)..(27)

<223> 5' genome walker primer 1

<400> 13

gaacgtcttc tttttccacg atgctcc

27

<210> 14

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> 5' genome walker primer 2

<220>

<221> DNA

<222> (1)..(26)

<223> 5' genome walker primer 2

<400> 14

tcggcagagg catcttgaat gatagc

26

<210> 15

<211> 26

<212> DNA

<213> Artificial Sequence

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<223> 3' genome walker primer 1

<220>

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<221> DNA

<222> (1)..(26)

<223> 3' genome walker primer 1

<400> 15

gcgagtctga tgagacatct ctgtat

26

<210> 16

<211> 27

<212> DNA

<213> Artificial Sequence

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<223> 3' genome walker primer 2

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<222> (1)..(27)

<223> 3' genome walker primer 2

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aatttggttg atgtgtgtgc gagttct

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<211> 416

<212> DNA

<213> Cauliflower mosaic virus

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<222> (1)..(416)

<223> CaMV35S AS4 promoter sequence

<400> 17

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<210> 18

<211> 75

<212> DNA

<213> Triticum aestivum

<220>

<221> DNA

<222> (1)..(75)

<223> L-Ta.hcb1 untranslated leader sequence

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<210> 19

<211> 804

<212> DNA

<213> Oryza sp.

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<221> DNA

<222> (1)..(804)

<223> I-OS.Act1 rice actin intron sequence

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<210> 20

<211> 1984

<212> DNA

<213> Artificial Sequence

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<223> non-native Cry3Bb variant 1123lmv1

<220>

<221> DNA

<222> (1)..(1984)

<223> non-native Cry3Bb variant

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actccaccgt caaggacgcc gtcgggaccg gcatctccgt cgttgggcag atcctgggag 240
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52221(B)_Application_Seq_Listing.ST25.txt

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<210> 21

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<212> DNA

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<213> Triticum aestivum

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<221> DNA

<222> (1)..(234)

<223> T-Ta.Hsp17 termination and polyadenylation sequence

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ctgtacttgt gtaatcggct aatcgccaac agattcggcg atgaataaat gagaaataaa      180
ttgttctgat ttgagtgca aaaaaaaagg aattagatct gtgtgtgttt ttg              234

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